

C L A I M S :

1. A friction lining with a porous fiber layer, characterized in that the fiber layer consists of a sintered fiber structure made of sinterable fibers.
2. A friction lining as claimed in claim 1, characterized in that the fiber structure consists of polyimide fibers and/or polyacrylonitrile fibers.
3. A friction lining as claimed in claim 1 or 2, characterized in that the fiber structure consists of a non-woven material.
4. A friction lining as claimed in claim 3, characterized in that the fiber structure is arranged as a needled non-woven material.
5. A friction lining as claimed in claim 1 or 2, characterized in that the fiber structure consists of a knitted fabric.
6. A friction lining as claimed in one of the claims 1 to 5, characterized in that the fiber layer comprises a surface made of sinterable fibers, preferably polyimide fibers, which are scattered onto the fiber structure and are joined to the same by sintering.
7. A friction lining as claimed in one of the claims 1 to 6, characterized in that filling materials influencing the frictional properties are incorporated in the fiber structure.
8. A friction lining as claimed in one of the claims 1 to 7, characterized in that the fiber structure is sintered and carbonized.